



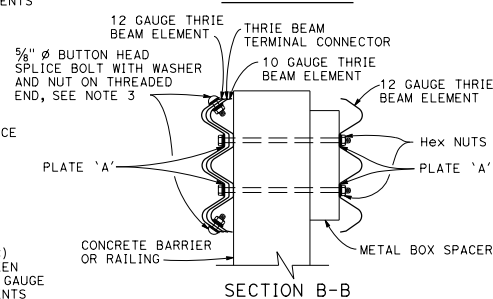
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

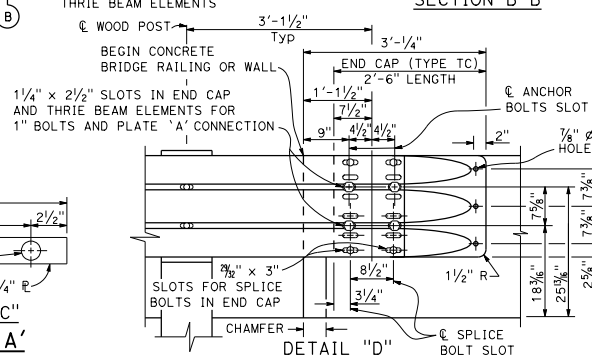
May 31, 2018  
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS  
OR AGENTS SHALL NOT BE RESPONSIBLE FOR  
THE ACCURACY OR COMPLETENESS OF SCANNED  
COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER  
No. 502020  
Exp. 6-30-19  
STATE OF CALIFORNIA  
CIVIL



1. Use 5/8" Ø Button head bolts and hex nuts for connections to posts. No washer on rail face for bolted connections to post.
2. The nested rail elements, end cap and single 10 gauge three beam element, may be spaced together prior to bolting the elements to the wood post and concrete barrier or railing.
3. Exterior splice bolt holes for rail element splices at Post No. T4 and the connection to the concrete barrier or railing shall be the standard 3/8" x 1 1/8" slot size. Interior splice bolt holes at these locations may be increased up to 1 1/4" Ø. Only the top 2" and the bottom 2" splice bolts with washers and nuts are required for rail splices at Post No. T4 and the connection to the concrete barrier or railing.
4. The top elevation of Post Nos. T1 through T7 shall not project more than 1" above the top elevation of the rail element.
5. The depth of the metal box spacer varies from the 5/8" to 1 1/2" and is dependent on the width of the concrete railing or wall. The combined dimension for the depth of the metal box spacer plus the width of railing or wall is typically 17 1/2". Where the space between the backside of the concrete railing or wall and the rear three beam element is less than 1 1/2", metal plates similar to Plate 'A' are used as spacers.
6. Where the width of the concrete railing or wall is greater than 17 1/2", wood blocks are to be used to fill the space created between the backside of Post No.4 through No.7 and the rear three beam element. The wood block will be 8" in width and 1'-2" in length. The dimension between the front three beam element and the rear three beam element is to match the width of the concrete railing or wall.
7. For details of End Cap (Type TC), see Standard Plan A78C1.



STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**DOUBLE THRIE BEAM BARRIER  
TRANSITION RAILING  
(TYPE DTB)**

NO SCALE

**A78K**